Scan and Say™

Version 2.0

A Talking Barcode System
for
the Sight Impaired

User's Manual

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Introduction

Scan and Say™ is an exciting new product that allows the vision impaired to hear descriptions of bar coded items. Scan and Say has been designed not to require the use of the mouse. Additionally, Scan and Say does not require a screen reader.

Scan and Say consists of the following:

- An easy to use program that runs on a Windows based PC.
- An omni-directional barcode scanner that connects to the PC.
- Over 250,000 barcode items stored in an Access database.
- 500 pre-printed barcode labels that can be applied to any non-barcoded item.
- An audio version of the user's manual.

Software Installation

The Scan and Say CD contains a self-starting installation routine that will display the screen shown in Figure 1. If for any reason the installation program does not start automatically, locate and double click the file name ScanAndSayIns.exe on the CD.

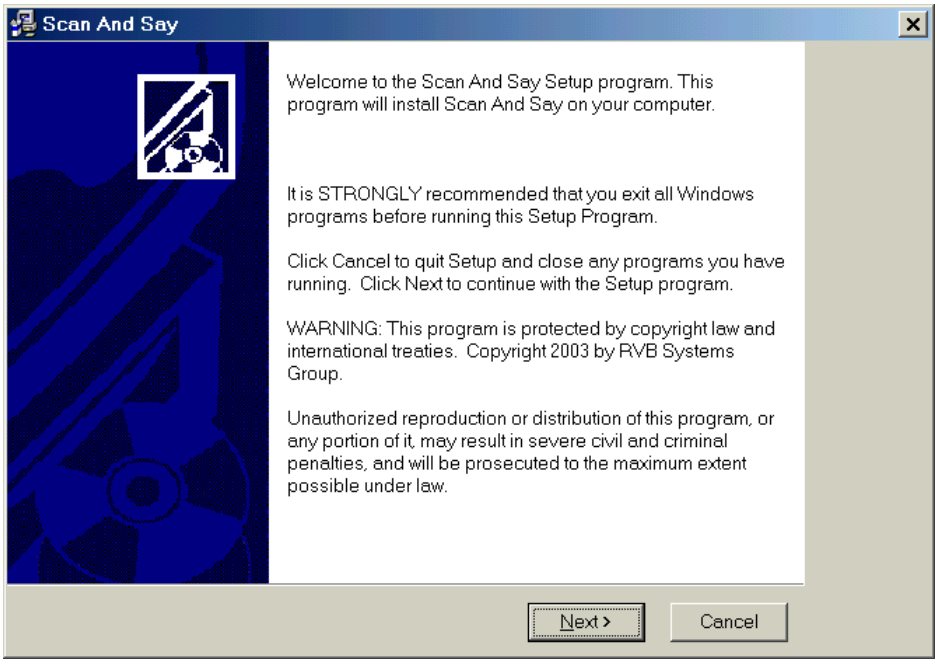
Scan And Say
Welcome to the Scan And Say Setup program. This program will install Scan And Say on your computer.
It is STRONGLY recommended that you exit all Windows programs before running this Setup Program.
Click Cancel to quit Setup and close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties. Copyright 2003 by RVB Systems Group.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

Figure 1

Once all of the Scan and Say files are loaded onto your PC, the following screen (Figure 2) will appear. Scan and Say requires Microsoft Access 2000 or higher. If you do not have a copy of Microsoft Access on your PC (or you are not sure), select INSTALL ACCESS RUNTIME.

If Microsoft Access 2000 or higher is already installed on your PC, then click FINISHED and you are ready to start using Scan and Say.

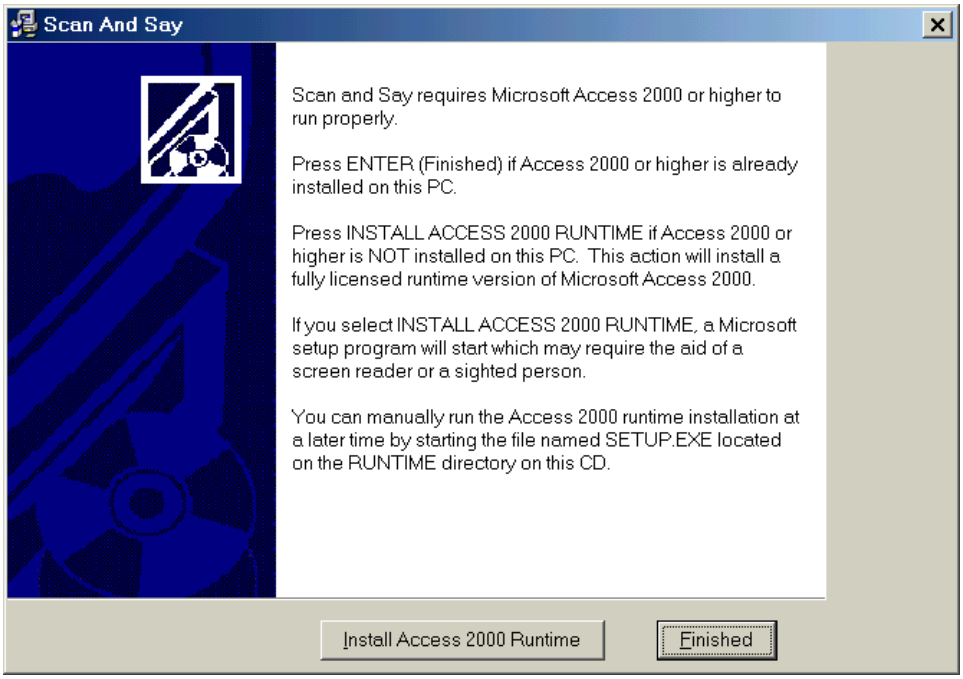
Scan And Say
Scan and Say requires Microsoft Access 2000 or higher to run properly.
Press ENTER (Finished) if Access 2000 or higher is already installed on this PC.
Press INSTALL ACCESS 2000 RUNTIME if Access 2000 or higher is NOT installed on this PC. This action will install a fully licensed runtime version of Microsoft Access 2000.
If you select INSTALL ACCESS 2000 RUNTIME, a Microsoft setup program will start which may require the aid of a screen reader or a sighted person.
You can manually run the Access 2000 runtime installation at a later time by starting the file named SETUP.EXE located on the RUNTIME directory on this CD.
Install Access 2000 Runtime
Finished

Figure 2

If you need to manually install the runtime version of Access 2000 which is provided with Scan and Say, it is named SETUP.EXE and it is located on the Scan and Say CD in the directory named RUNTIME. This program will step you through the process of installing a fully licensed runtime version Microsoft Access 2000 on your PC.

Scanner Setup

The scanner provided with Scan and Say (Figure 3) is a fully automatic omni-directional scanner, which can be used as a hand-held device or used with the adjustable stand. This scanner emits a 20 scan-line pattern that makes it extremely easy-to-use for the sight impaired. Upon a successful scan, the scanner beeps three times and Scan and Say announces the item's description.

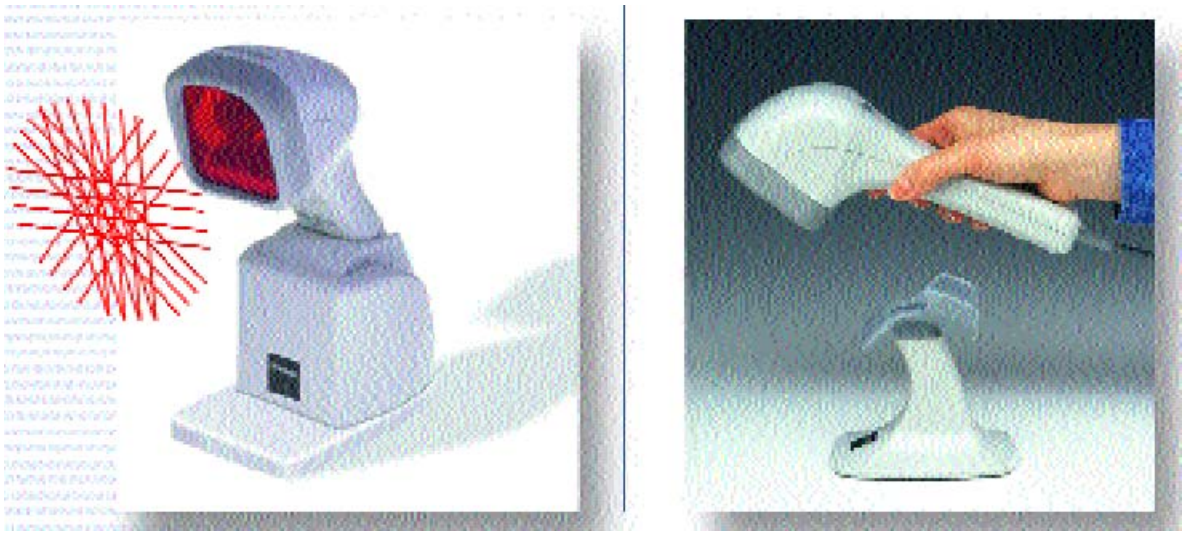

Figure 3

The scanner is provided with a "Y" type connection, which allows it to be installed in-line between your PC and your PC's keyboard. One end of the "Y" connector plugs into the keyboard port on your PC. Your keyboard cable plugs into the other end of the "Y" connector.

Detailed directions regarding scanner usage and setup are included in the scanner's user manual.

Initial Screen

The first Scan and Say screen (Figure 4) is shown below.

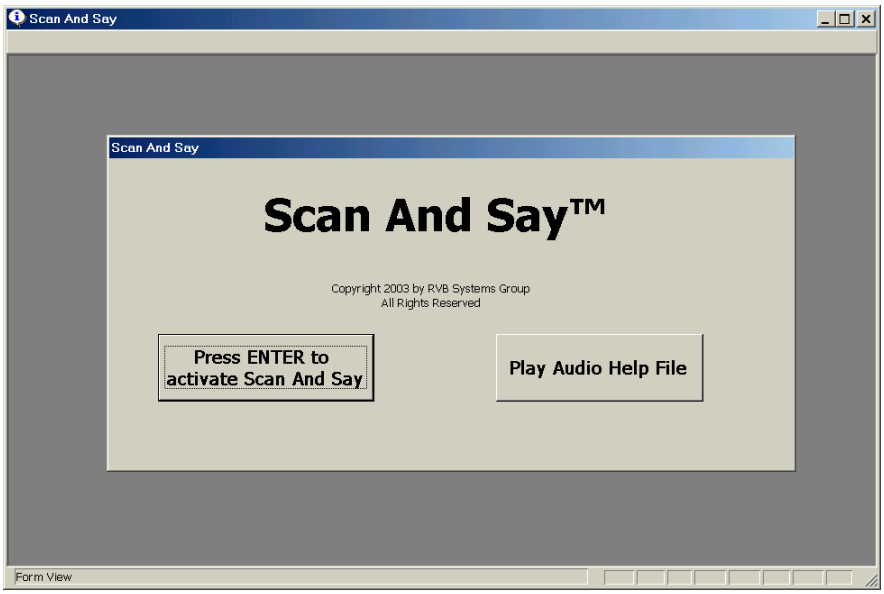

Figure 4

Press the “Press ENTER to activate Scan and Say” button to begin the program. This will start the main menu screen.

Main Menu Screen

The next Scan and Say screen is the main menu screen (Figure 5). From this screen, the user can scan bar coded products and select from 11 additional options.

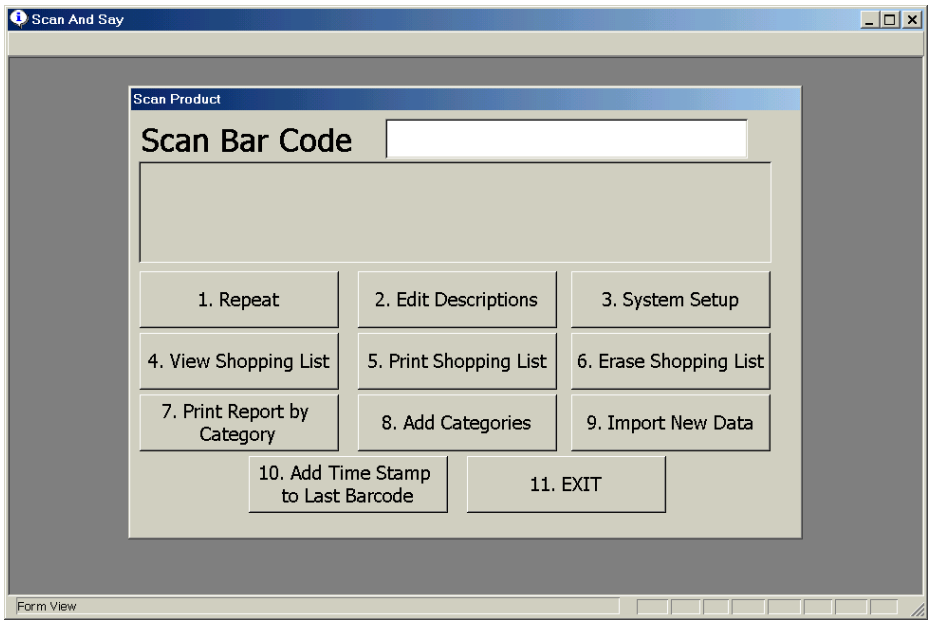

Figure 5

You will hear "READY TO SCAN" and you simply scan your item. If this is a new item, you will hear "ITEM NOT IN DATABASE" and a new screen will appear, (Figure 6). Type the item description, press enter, and you will hear "ITEM ADDED TO DATABASE".

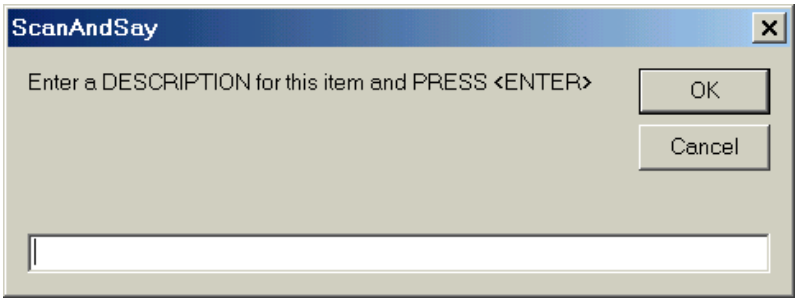

Figure 6

Menu options:

1. **Repeat**
2. **Edit Descriptions**
3. **System Setup**
4. **View Shopping List**
5. **Print Shopping List**
6. **Erase Shopping List**
7. **Print Report by Category**
8. **Add Categories**
9. **Import New Data**
10. **Add Time Stamp to Last Barcode**
11. **EXIT**

1. Repeat Last Description

To repeat an item's description, type 1, and press enter. The description for the last item scanned will be read aloud.

2. Edit Descriptions

To edit an item's description, type 2, and press enter. Figure 7 will appear.

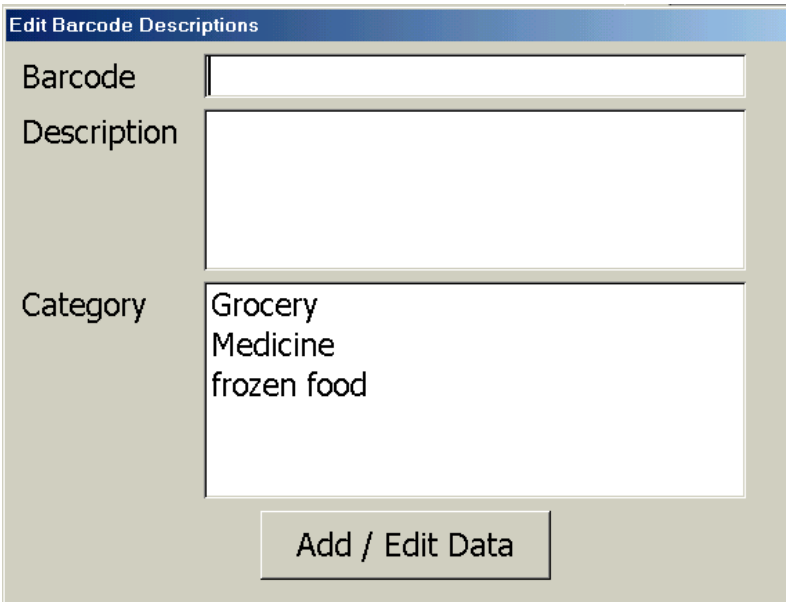

Figure 7

To edit a description, scan the barcode, then tab to the description field. Edit the description, then tab to the category field. Use the arrow keys to select the category. Tab to the add / edit data button. Press enter to return to the main screen.

If the barcode is not in the database, the cursor will be automatically set to the description field. Type a new description, then tab to the category list. Use the arrow keys to select a category. Tab to the add / edit button. Press enter to return to the main screen.

3. System Setup

To enter the system setup screen, type 3, and press enter. Figure 8 will appear. This screen allows you to set custom options. This screen includes 4 group boxes with options for: the shopping list, announcing the cursor position, adding time stamps, the voice speed, and how to announce the scanned barcode.

Use the tab key to move between group boxes. Use the arrow key to move within a group box to make your selections. After choosing your preferences, tab to the "Close Form" box and press enter to return to the main menu.

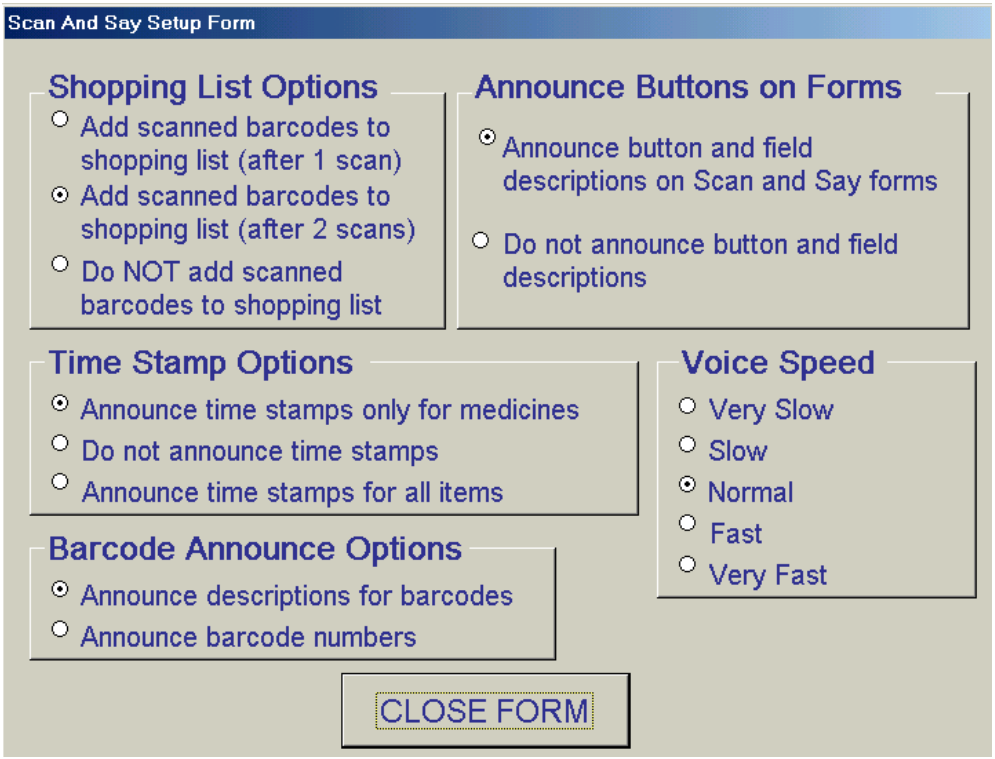
Scan And Say Setup Form
Shopping List Options
Add scanned barcodes to shopping list (after 1 scan)
Add scanned barcodes to shopping list (after 2 scans)
Do NOT add scanned barcodes to shopping list
Announce Buttons on Forms
Announce button and field descriptions on Scan and Say forms
Do not announce button and field descriptions
Time Stamp Options
Announce time stamps only for medicines
Do not announce time stamps
Announce time stamps for all items
Voice Speed
Very Slow
Slow
Normal
Fast
Very Fast
Barcode Announce Options
Announce descriptions for barcodes
Announce barcode numbers
CLOSE FORM

Figure 8

4. View Shopping List

To view and hear the shopping list, type 4, and press enter. Figure 9 will appear. Scan and Say will read the shopping list aloud after it is displayed on the screen.

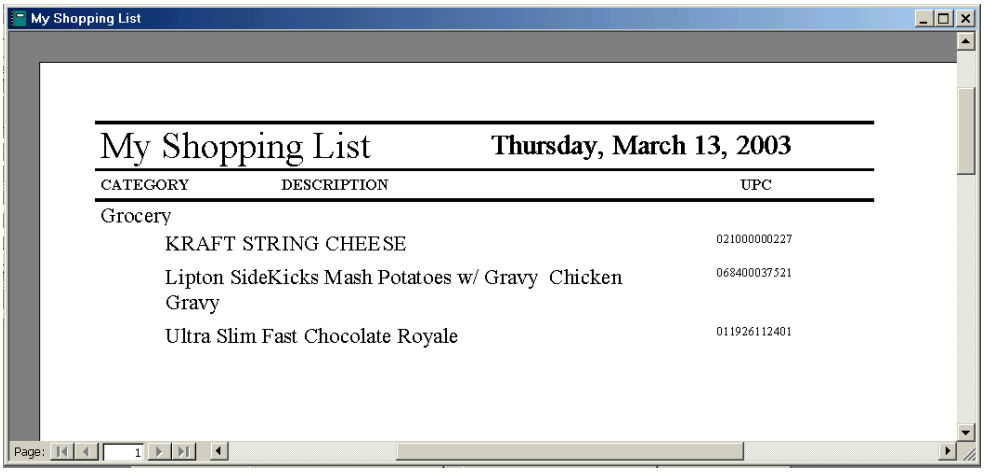

Figure 9

Press the ESCAPE key to return to the main menu screen.

5. Print Shopping List

To print the shopping list, type 5, and press enter.

Figure 10

If you select yes, the shopping list will print to your default printer. The main menu screen will become active after the shopping list is printed.

6. Erase Shopping List

To erase the shopping list, type 6, and press enter. Figure 11 will appear. You will be asked "ARE YOU SURE?"

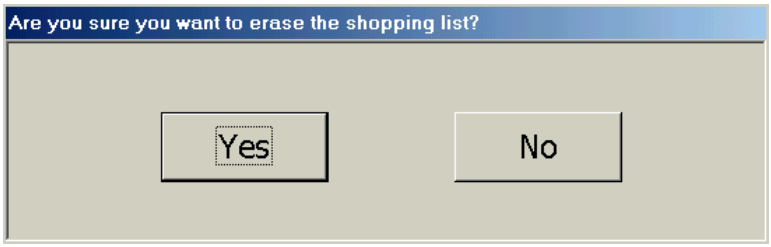

Figure 11

Select YES or NO and press enter. The main menu screen will then become active.

7. Print Report By Category

To print a list of items by category, type 7, and press enter. Figure 12 will appear.

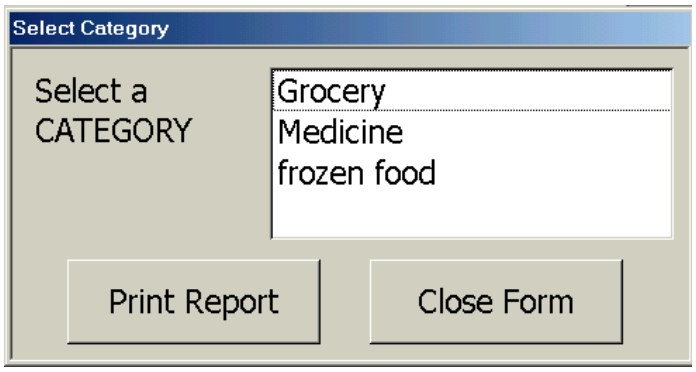

Figure 12

Use the arrow key to select a category. Tab to the PRINT REPORT button, and press enter to print. Then tab to the CLOSE FORM button, and press enter to return to the main menu.

8. Add Categories

To add or delete category, type 8, and press enter. Figure 13 will appear.

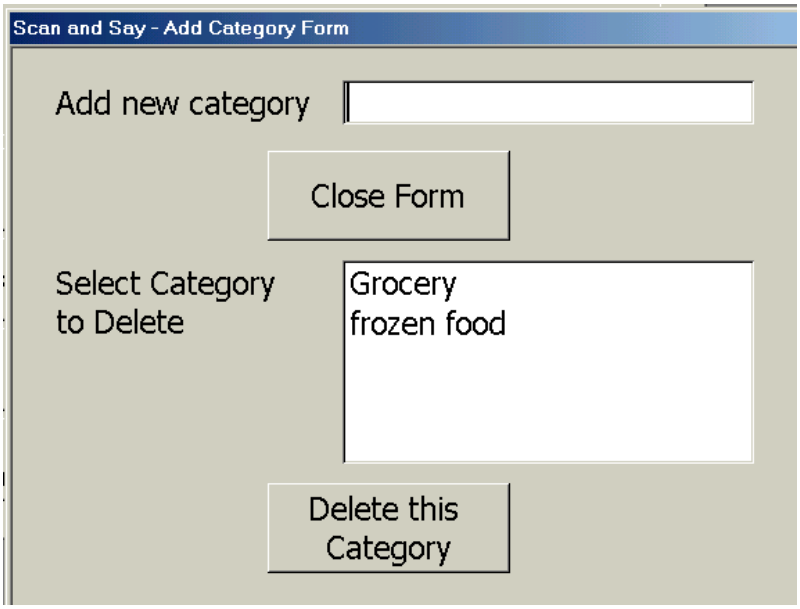

Figure 13

To ADD a new category, type the category and press enter. Press enter again on the "Close Form" box to return to the main menu.

To DELETE a category, tab to the list of categories. Use the arrow keys to select the category. Tab to the "Delete this Category" button, and press enter. You will be asked, "ARE YOU SURE?" Select yes or no.

9. Import New Data

To import new data from an electronic file, type 9, and press enter. The import file is named c:\scanandsaydata.txt. This is an ascii comma-delimited file consisting of two fields. The first field is a 12 digit numerical field representing an item's barcode number. The second field is a 256 character text field representing an item's description. Updated barcode data files are available periodically from RVB Systems Group. You can contact RVB Systems Group regarding new barcode data files.

10. Add Time Stamp to Last Barcode

To add a time stamp to the last barcode scanned, type 10 and press enter.
The next time this item is scanned, the time stamp will be announced, according to the option selected on the software setup form.

11. EXIT

To exit Scan and Say and return to Windows, type 11, and press enter.

Support / Warranty

Scan and Say is provided with a 30-day money back guarantee. If for any reason you are not satisfied with Scan and Say during this period, you can return it for a full refund.

The scanner provided with Scan and Say comes with a 12-month factory warranty. A warranty card is provided with the scanner indicating where it can be returned in the event of a problem with the scanner.

The barcode database provided with Scan and Say contains over 250,000 items. Periodically, RVB Systems Group will make updated barcode data files available to Scan and Say customers. These are available for a fee. Contact RVB Systems Group at www.barcode-solutions.com or (919) 362-5211 for more information.